

### **ABSTRACT OF THE DISCLOSURE**

A heart stimulating device has a stimulation threshold measuring circuit for performing threshold searches by measuring a stimulation threshold value, a pulse generator for delivering stimulation pulses of variable amplitudes and duration, a control unit for controlling the pulse generator to deliver stimulation pulses of amplitudes related to the measured threshold value, an interval timer for initiating time-initiated threshold searches, wherein the time between consecutive time-initiated threshold searches is defined as a threshold search interval. The interval timer varies the threshold search interval, dependent on the result of at least the last performed threshold search.

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